BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

E-MB

Name of Work: Improvements of RCC drain & Covering slab Dasarahalli Metro station to Bylappa Circle Right side road in Dasarahalli Ward No 15

Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Pre-Measurement								
1	KSRRB M200-Dismtling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonary, cement concrete, wood work,steel work, including T&P and scaffolding whereever necessary, sorting the dismanlet material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specification Lime/Cement concrete I. By Manual Means C. Prestressed /Reinforced cement concrete Grade M-20 & above (P-139, lt 18.19) PWD SR 2018-19								
	side wall								
	bylappa circle to 6th cross	Cum	2	2*30	0.15	1.00	18.00		
			2	31.00	0.15	1.00	9.30		
	6th to 5th cross		2	9.52	0.15	1.00	2.86		
	5th to 4th cross		2	23.50	0.15	1.00	7.05		
			2	27.00	0.15	1.00	8.10		
	4th to 3rd cross		2	27.60	0.15	1.00	8.28		
	3rd to 2nd cross		2	26.30	0.15	1.00	7.89		
	2nd to 1st cross		2	26.50	0.15	1.00	7.95		
	1st to maheshramamma temple		2	42.30	0.15	1.00	12.69		
	temple to dasarahalli metro		2	3*30	0.15	1.00	27.00		
			2	29.30	0.15	1.00	8.79		
	maheshwari nagar 1st c/s eastern		2	4*30	0.15	1.00	36.00		
			2	5.70	0.15	1.00	1.71		
	maheshwari nagar 1st c/s Weastern		2	2*30	0.15	1.00	18.00		
			2	5.70	0.15	1.00	1.71		
	culvert @ 6th cross		2	6.30	0.30	1.00	3.78		
	lengthy culvert		2	21.00	0.30	1.00	12.60		
	bottom								
	bylappa circle to 6th cross	Cum	1	2*30.00	1.10	0.15	9.90		
			1	31.00	1.10	0.15	5.12		
	6th to 5th cross		1	9.52	1.10	0.15	1.57		
	5th to 4th cross		1	23.50	1.10	0.15	3.88		
			1	27.00	1.10	0.15	4.46		
	4th to 3rd cross		1	27.60	1.10	0.15	4.55		
	3rd to 2nd cross		1	26.30	1.10	0.15	4.34		
	2nd to 1st cross		1	26.50	1.10	0.15	4.37		
	1st to maheshramamma temple		1	42.30	1.10	0.15	6.98		
	temple to dasarahalli metro		1	3*30.00	1.10	0.15	14.85		
			1	29.30	1.10	0.15	4.83		
	maheshwari nagar 1st c/s eastern		1	4*30.00	1.00	0.15	18.00		
			1	5.70	1.00	0.15	0.86		

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maheshwari nagar 1st c/s Weastern		1	2*30	1.00	0.15	9.00		
		1	5.70	1.00	0.15	0.86		
culvert @ 6th cross		1	6.30	1.60	0.15	1.51		
lengthy culvert		1	21.00	1.60	0.15	5.04		
						291.82		
			Qty Limited to			265.44	1684.34	447091.00
e-Measurement								

SRRB 300 · Excavation for road, drains and similar works · KSRRB 300·1. rthwork excavation by manual means in **Hard** soil involving an average rizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface veled and sides neatly dressed, the disposed earth to be leveled neatly after eaking of clods complete as per specifications complete as per specifications. ORTH Chapter 3 (P.6/I.2.4 PW, P & IWTD -SR 2018-19)

bylappa circle to 6th cross	Cum	1	2*30.00	1.20	1.20	86.40		
		1	31.00	1.20	1.20	44.64		
6th to 5th cross		1	9.52	1.20	1.20	13.71		
5th to 4th cross		1	23.50	1.20	1.20	33.84		
		1	27.00	1.20	1.20	38.88		
4th to 3rd cross		1	27.60	1.20	1.20	39.74		
3rd to 2nd cross		1	26.30	1.20	1.20	37.87		
2nd to 1st cross		1	26.50	1.20	1.20	38.16		
1st to maheshramamma temple		1	42.30	1.20	1.20	60.91		
temple to dasarahalli metro		1	3*30.00	1.20	1.20	129.60		
		1	29.30	1.20	1.20	42.19		
maheshwari nagar 1st c/s eastern		1	4*30.00	1.20	1.20	172.80		
		1	5.70	1.20	1.20	8.21		
maheshwari nagar 1st c/s Weastern		1	2*30	1.20	1.20	86.40		
		1	5.70	1.20	1.20	8.21		
culvert @ 6th cross		1	6.30	1.60	1.20	12.10		
lengthy culvert		1	21.00	1.60	1.20	40.32		
berm clearance maheshwari nagar 1st c/s		2	4*30	0.30	0.25	18.00		
		2	10.00	0.30	0.25	1.50		
						913.48		
			limited to			911.82	189.74	173009.00
e-Measurement								

RRB M2100·10. Providing and laying Plain cement concrete of mix 1:3:6 with C @ 220kgs, with crushed 40mm and down size graded granite metal coarse regates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically ed, placed in foundation and compacted by vibration including curing for 14 s including cost of all materials, labour, HOM curing, form works, scaffolding centering complete as per specifications. MORTH Specification No. 2100 222/I.27.18) PWD · SR 2018-19)

bylappa circle to 6th cross	Cum	1	2*30.00	1.20	0.15	10.80		
		1	31.00	1.20	0.15	5.58		
6th to 5th cross		1	9.52	1.20	0.15	1.71		
5th to 4th cross		1	23.50	1.20	0.15	4.23		
		1	27.00	1.20	0.15	4.86		
4th to 3rd cross		1	27.60	1.20	0.15	4.97		
3rd to 2nd cross		1	26.30	1.20	0.15	4.73		
2nd to 1st cross		1	26.50	1.20	0.15	4.77		
1st to maheshramamma temple			42.30	1.20	0.15	7.61		
temple to dasarahalli metro		1	3*30.00	1.20	0.15	16.20		
		1	29.30	1.20	0.15	5.27		

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maheshwari nagar 1st c/s eastern side		1	4*30.00	1.20	0.15	21.60		
		1	5.70	1.20	0.15	1.03		
maheshwari nagar 1st c/s Weastern side		1	2*30	1.20	0.15	10.80		
		1	5.70	1.20	0.15	1.03		
culvert @ 6th cross		1	6.30	1.60	0.15	1.51		
lengthy culvert		1	21.00	1.60	0.15	5.04		
Pre-Measurement						111.75	5421.90	605884.00
Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200.(PWD SR 2018-19 P.no-271, It No 37.59.20)								
raft concrete								
bylappa circle to 6th cross	Cum	1	2*30.00	0.90	0.15	8.10		
		1	31.00	0.90	0.15	4.19		
6th to 5th cross		1	9.52	0.90	0.15	1.29		
5th to 4th cross		1	23.50	0.90	0.15	3.17		
		1	27.00	0.90	0.15	3.65		
4th to 3rd cross		1	27.60	0.90	0.15	3.73		
3rd to 2nd cross		1	26.30	0.90	0.15	3.55		
2nd to 1st cross		1	26.50	0.90	0.15	3.58		
1st to maheshramamma temple		1	42.30	0.90	0.15	5.71		
temple to dasarahalli metro		1	3*30.00	0.90	0.15	12.15		
		1	29.30	0.90	0.15	3.96		
maheshwari nagar 1st c/s eastern		1	4*30.00	0.90	0.15	16.20		
		1	5.70	0.90	0.15	0.77		
maheshwari nagar 1st c/s Weastern		1	2*30	0.90	0.15	8.10		
		1	5.70	0.90	0.15	0.77		
culvert @ 6th cross		1	6.30	1.20	0.15	1.51		
lengthy culvert		1	21.00	1.20	0.15	5.04		
ide wall								
bylappa circle to 6th cross		2	2*30	0.15	0.90	16.20		
		2	31.00	0.15	0.90	8.37		
6th to 5th cross		2	9.52	0.15	0.90	2.57		
5th to 4th cross		2	23.50	0.15	0.90	6.35		
		2	27.00	0.15	0.90	7.29		
4th to 3rd cross		2	27.60	0.15	0.90	7.45		
3rd to 2nd cross		2	26.30	0.15	0.90	7.10		
2nd to 1st cross		2	26.50	0.15	0.90	7.16		
1st to maheshramamma temple		2	42.30	0.15	0.90	11.42		
mple to dasarahalli metro		2	3*30	0.15	0.90	24.30		
		2	29.30	0.15	0.90	7.91		
maheshwari nagar 1st c/s eastern		2	4*30	0.15	0.90	32.40		
		2	5.70	0.15	0.90	1.54		
aheshwari nagar 1st c/s Weastern		2	2*30	0.15	0.90	16.20		
		2	5.70	0.15	0.90	1.54		
ulvert @ 6th cross		2	6.30	0.30	1.00	3.78		
lengthy culvert		2	21.00	0.30	1.00	12.60		

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building side concrete								
bylappa circle to 6th cross		1	2*30.00	0.40	0.15	3.60		
6th to 5th cross		1	31.00	0.40	0.15	1.86		
5th to 4th cross		1	9.52	0.40	0.15	0.57		
		1	23.50	0.40	0.15	1.41		
4th to 3rd cross		1	27.00	0.40	0.15	1.62		
3rd to 2nd cross		1	27.60	0.40	0.15	1.66		
2nd to 1st cross		1	26.30	0.40	0.15	1.58		
1st to maheshramamma temple		1	26.50	0.40	0.15	1.59		
temple to dasarahalli metro		1	42.30	0.40	0.15	2.54		
		1	3*30.00	0.40	0.15	5.40		
maheshwari nagar 1st c/s eastern		1	29.30	0.40	0.15	1.76		
		1	4*30.00	0.40	0.15	7.20		
maheshwari nagar 1st c/s Weastern		1	5.70	0.40	0.15	0.34		
		1	2*30.00	0.40	0.15	3.60		
ramp for culvert		1	5.70	0.40	0.15	0.34		
culvert @ 6th cross								
lengthy culvert		2	6.30	0.75	0.15	1.42		
		2	21.00	0.75	0.15	4.73		
Detailed-Measurement						300.83	7070.20	2126927.00

Supplying and fixing precast rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.

bylappa circle to 6th cross	Cum	1	2*30.00	0.90		54.00		
6th to 5th cross		1	31.00	0.90		27.90		
5th to 4th cross		1	9.52	0.90		8.57		
		1	23.50	0.90		21.15		
4th to 3rd cross		1	27.00	0.90		24.30		
3rd to 2nd cross		1	27.60	0.90		24.84		
2nd to 1st cross		1	26.30	0.90		23.67		
1st to maheshramamma temple		1	26.50	0.90		23.85		
temple to dasarahalli metro		1	42.30	0.90		38.07		
		1	3*30.00	0.90		81.00		
maheshwari nagar 1st c/s eastern		1	29.30	0.90		26.37		
		1	4*30.00	0.90		108.00		
maheshwari nagar 1st c/s Weastern		1	5.70	0.90		5.13		
		1	2*30	0.90		54.00		
Pre-Measurement						520.85	2208.00	1150032.00

KSRRB M2200-6. Supplying, fitting and placing TMT bar Fe 500 reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specificationsMORTH Specification No.1600 & 2200 [P. no.229 - I. 10.28.8.2] PWD - SR 2018-19

	Tonne							
Description of work	Dia	Length	Nos	8mm	10mm			
RCC Drain								
(0.90+0.90+0.90=2.70)								

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appa circle to 6th cross									
n steel	10mm	2.70	910						
st steel	8mm	91.00	27	2457.00	2457.00				
h to 5th cross									
ain steel	10mm	2.70	95						
st steel	8mm	9.52	27	257.04	256.50				
th to 4th cross									
Main steel	10mm	2.70	505						
Dist steel	8mm	50.50	27	1363.50	1363.50				
4th to 3rd cross									
Main steel	10mm	2.70	276						
Dist steel	8mm	27.60	27	745.20	745.20				
3rd to 2nd cross									
Main steel	10mm	2.70	263						
Dist steel	8mm	26.30	27	710.10	710.10				
2nd to 1st cross									
Main steel	10mm	2.70	265						
Dist steel	8mm	26.50	27	715.50	715.50				
1st to maheshramamma temple									
Main steel	10mm	2.70	423						
Dist steel	8mm	42.30	27	1142.10	1142.10				
temple to dasarahalli metro									
Main steel	10mm	2.70	1193						
Dist steel	8mm	119.30	27	3221.10	3221.10				
maheshwari nagar 1st c/s eastern									
Main steel	10mm	2.70	1257						
Dist steel	8mm	125.70	27	3393.90	3393.90				
maheshwari nagar 1st c/s eastern									
Main steel	10mm	2.70	1257						
Dist steel	8mm	125.70	27	3393.90	3393.90				
			Mtr	17399.34	17398.80				
	8mm	17399.34	0.39	Kgs	6785.74				
	10mm	17398.80	0.62	Kgs	10787.26				
				Kgs	17573.00				
				M.T	17.57				
cription of work	Dia	Length	Nos	10mm	12mm				
culvert mat									

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culvert @ 6th cross								
Main steel	12mm	6.30	15					
Dist steel	10mm	1.50	63	94.50	94.50			
lengthy culvert								
Main steel	12mm	21.00	15					
Dist steel	10mm	1.50	210	315.00	315.00			
culvert wall								
culvert @ 6th cross								
Main steel	12mm	4*2	63					
Dist steel	10mm	6.30	20	126.00	504.00			
lengthy culvert wall								
Main steel	12mm	4*2	210					
Dist steel	10mm	21.00	20	420.00	1680.00			
			Mtr	546.00	2184.00			
10mm	546.00	0.62	Kgs	338.52				
12mm	2184.00	0.89	Kgs	1943.76				
			Kgs	2282.28				
			Kgs	19855.28				
			M.T	19.86		19.86		
Detailed Measurement			Qty Limited to			19.80	72326.98	1432074.00
Providing and laying Pre cast drain cover slab of 250mm thickness including cost of all Materials Labour, curing, Transportation, Loading & un loading etc. as per direction of the Engineer Incharge								
culvert @ 6th cross	sqm	1	6.30	1.50		9.45		
lengthy culvert		1	21.00	1.50		31.50		
		4	3.60	1.50		21.60		
		2	4.80	1.50		14.40		
						76.95	5241.00	403295.00
Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Page No. 136 Item No. 17.1 PWD SR 2018-19								
	Cum	Qty Vide Item No. 2				911.82	69.80	63645.00
						Sub Total		6401957.00
RIDL Charge 4.5%								288088.00
ST charges 12%								768235.00
							Total	7458280.00

RTIFICATE:-

Work spot has been inspected and the work is found to be necessary
Estimate is prepared as per the PW,P & IWTD -SR-2018-19
Provision made in estimate are adequate and essential.
Area comes under BBMP limits.

tant Engineer
ard No 15

Assistant Executive Engineer
T. Dasarahalli Sub Division

Assistant Executive Engineer
T. Dasarahalli Sub Division
Bagalagunte, BBMP
Bangalore-560073

Executive Engineer
Dasarahalli Division

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